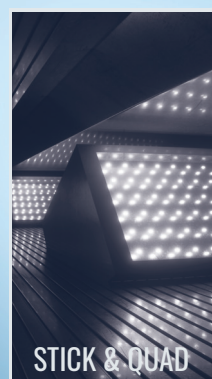


NEWSOLUTIONS

APRIL 2020



MULTIDRIVER48



Entity vanta la più completa gamma di driver 24-48V ideali per binari a bassa tensione A.A.G. Stucchi: MICRODRIVER48 per sistemi MULTISYSTEM ed EVOLUTION (DALI DT6 e DT8, 0-10V e 1-10V, ON/OFF, Bluetooth con versioni in corrente costante e tensione costante), alla quale si aggiunge l'esclusiva gamma MICRODRIVER48, per il rivoluzionario binario MICRO A.A.G. Stucchi.

Entity offers the wider range of drivers 24-48V ideal for the A.A.G. Stucchi's low voltage tracks: MICRODRIVER48 for MULTISYSTEM and EVOLUTION systems (DALI DT6 and DT8, 0-10V and 1-10V, ON/OFF, Bluetooth with constant current and constant voltage versions) and now the exclusive series MICRODRIVER48, for the revolutionary MICRO track just launched by A.A.G. Stucchi.

Certifications:



We extended the UL certification for MULTIDRIVER48 range to Non Class 2 input, in order to connect a major number of lamps to the track.

Product **UPGRADE** EN1800 MULTIDRIVER48 **DALI DT6**

24Vdc | 48Vdc | | 2 OUTPUTS (DipSwitch)



116 x 13mm

EN1800 MULTIDRIVER48 full DALI DT6 IEC 62386. Versione per adattatore Stucchi con doppia uscita.

Disponibile in due modelli:

- uscite in serie
- uscite in parallelo

EN1800 MULTIDRIVER48 full DALI DT6 IEC 62386. Version for the Stucchi's adapters with two outputs.

Available in two models:

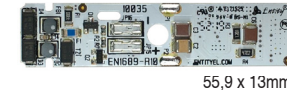
- outputs in series
- outputs in parallel

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Corrente uscita / Current output	$I_{out} = 100_{mA} - 1000_{mA}$ (DipSwitch)

In sostituzione ad art. ref. EN1610 / replacement of art. ref. EN1610

Product **UPGRADE** EN1689 MULTIDRIVER48 **ON/OFF Mini** **UP TO 1A**

24Vdc | 48Vdc | | 1 OUTPUT



55,9 x 13mm

EN1689 MULTIDRIVER48 ON/OFF, 1 uscita in corrente costante. Versione per adattatori Stucchi da 98mm.

Alimentazione / Feeding

Corrente uscita / Current output

EN1689 MULTIDRIVER48 ON/OFF, 1 constant current output. Version for the 98mm Stucchi's adapters.

Alimentazione / Feeding

$I_{out} = 150_{mA} - 250_{mA} - 350_{mA} - 500_{mA} - 700_{mA} - 1000_{mA}$

NEW EN1849 MULTIDRIVER48 **BLUETOOTH**

24Vdc | 48Vdc | | 1 OUTPUT (DipSwitch)

Technology Partner
SILVAIR

available soon
CASAMBI **Xicato**



113,6 x 8mm

EN1849 MULTIDRIVER48 con Bluetooth a bordo (CASAMBI -SILVAIR - XICATO).

Alimentazione / Feeding

Corrente uscita / Current output

EN1849 MULTIDRIVER48 with Bluetooth on bordo (CASAMBI -SILVAIR - XICATO).

Alimentazione / Feeding

$I_{out} = 100_{mA} - 700_{mA}$ (DipSwitch)

* Xicato products support Open Bluetooth Mesh Standards

Codice d'ordine / Order code

Cod. base/Base code

1200EN1849-CAS-C70 CASAMBI
1200EN1849-SIL-C70 SILVAIR
1200EN1849-XIC-C70 XICATO



Download the
LED CATALOGUE
and discover the complete
MULTIDRIVER48 range

MULTIDRIVER48 RANGE - OVERVIEW



EN1739 DALI DT6 - 1 OUTPUT



UPGRADE - EN1800 DALI DT6



EN1737 0-10V - 1 OUTPUT



EN1737 1-10V - 1 OUTPUT



EN1737 PUSHBUTTON - 1 OUTPUT



EN1672 ON/OFF DIPSWITCH - 1 OUTPUT



EN1672 ON/OFF FIXED OUTPUT - 1 OUTPUT



UPGRADE - EN1689 ON/OFF MINI - 1 OUTPUT



EN1738 DALI DT6 - 1 OUTPUT



EN1738 DALI DT6 - 2 OUTPUTS



EN1738 DALI DT8 - 2 OUTPUTS



EN1738 0-10V - 1 OUTPUT



EN1738 0-10V - 2 OUTPUTS



EN1738 1-10V - 1 OUTPUT



EN1738 1-10V - 2 OUTPUTS



NEW - EN1849 BLUETOOTH - 1 OUTPUT

CONSTANT CURRENT OUTPUT/S

CONSTANT VOLTAGE OUTPUT/S

MICRODRIVER48



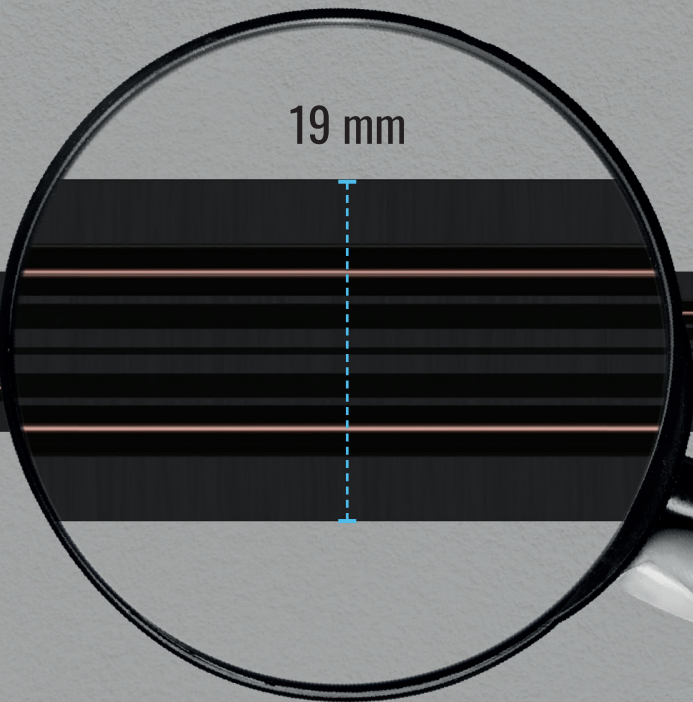
NEW

Entity presenta MICRODRIVER48, la nuovissima gamma di driver miniaturizzati 24-48V (DALI DT6 e DT8, Bluetooth con versioni in corrente costante e tensione costante) per il rivoluzionario binario MICRO A.A.G. Stucchi.

Entity presents MICRODRIVER48, the new miniaturized drivers 24-48V (DALI DT6 and DT8, Bluetooth with constant current and constant voltage versions) for the revolutionary MICRO track just launched by A.A.G. Stucchi.



SPRING CONTACTS
FOR EASIER AND FASTER ASSEMBLIES



NEW

EN1788 MICRODRIVER48 DALI DT6

24Vdc | 48Vdc | $V_{in} \rightarrow I_{PWM}$ | 1 OUTPUT (DipSwitch)



113,6 x 8mm

EN1788 MICRODRIVER48 full DALI DT6 IEC 62386, 1 uscita in corrente costante settabile tramite Dip-Switch, completo di contatto a molla per una maggiore facilità di assemblaggio.

EN1739 MULTIDRIVER48 full DALI DT6 IEC 62386, 1 constant current output settable through Dip-Switch, complete of spring contacts for an easier assembly.

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Corrente uscita / Current output	$I_{out} = 100_{mA} - 700_{mA}$ (DipSwitch)

Codice d'ordine / Order code

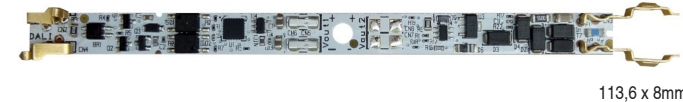
Cod. base/Base code

1200EN1788-0DS-0-DALIC70

NEW

EN1803 MICRODRIVER48 DALI

24Vdc | 48Vdc | $V_{in} \rightarrow V_{PWM}$ | 1/2 OUTPUT/S



113,6 x 8mm

EN1803 MULTIDRIVER48 full DALI, completo di contatto a molla per una maggiore facilità di assemblaggio.

Disponibile in tre modelli:

- 1 uscita in tensione costante DALI DT6
- 2 uscite in tensione costante DALI DT6
- 2 uscite in tensione costante DALI DT8 (funzione Tunable White).

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Tensione uscita / Voltage output	$V_{out} = V_{in}$ (2A max)

Codice d'ordine / Order code

Cod. base/Base code

1200EN1803-10N-DALIV48 1 channel DT6
1200EN1803-00N-DALIV48 2 channels DT8
1200EN1803-20N-DALIV48 2 channels DT6

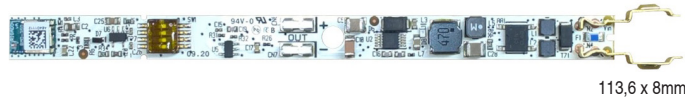
NEW

EN1813 MICRODRIVER48 BLUETOOTH

24Vdc | 48Vdc | $V_{in} \rightarrow I_{PWM}$ (2KHz) | 1 OUTPUT (DipSwitch)



available soon



113,6 x 8mm

EN1813 MICRODRIVER48 con Bluetooth a bordo (CASAMBI – SILVAIR – XICATO).

EN1813 MICRODRIVER48 with Bluetooth on bordo (CASAMBI – SILVAIR - XICATO).

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Corrente uscita / Current output	$I_{out} = 100_{mA} - 700_{mA}$ (DipSwitch)

* Xicato products support Open Bluetooth Mesh Standards

Codice d'ordine / Order code

Cod. base/Base code

1200EN1813-CAS-C70 CASAMBI
1200EN1813-SIL-C70 SILVAIR
1200EN1813-XIC-C70 XICATO

NEW

EN1830

Settable current levels (mA)



500 x 7mm

Stick in FR4 con 120 LED, ideale anche in abbinamento a binari MICRO A.A.G. Stucchi.

FR4 Stick with 120 LEDs, ideal for the A.A.G. Stucchi's MICRO tracks.

Alimentazione in corrente / Current feeding	Settable current levels (mA)
Tipi di LED / Type of LED	CREE™ 2016
Tempo di vita stimato con Tc<70% / Estimated life with TC<70%	>50.000 ore / hours
Dissipazione richiesta / Heat sink required	Sì / Yes

Codice d'ordine / Order code

Cod. base/Base code

1200EN1830-930-0-2016C35 3000K CRI>90

1200EN1830-927-0-2016C35 2700K CRI>90

* altre temperature colore disponibili su richiesta / other color temperatures available on demand



Disponibile una innovativa copertura opalina in PMMA che, grazie alla meccanica dedicata, consente il fissaggio del modulo LED al profilo, velocizzando i processi di assemblaggio.



Available an innovative opal cover in PMMA that, thanks to a dedicated mechanics, allows an easier and faster fastening of the LED module to the track.

PATENT PENDING

NEW

EN1834 DALI CONNECTION BOARD



113,6 x 8mm

EN1834 SCHEDA DI CONNESSIONE DALI

Consulta il Datasheet per maggiori informazioni.

EN1834 DALI CONNECTION BOARD

For more informations, see the Datasheet.

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Tensione uscita / Voltage output	$V_{out} = V_{in}$ (2A max)

Codice d'ordine / Order code

Cod. base/Base code

1200EN1834-000-0-DALIV48

CONTROL OF LIGHTS

NEW

EN1812 DALIGATE

24Vdc | 48Vdc | $V \rightarrow$ DALI



EN1812 DALIGATE

EN1812 è un'innovativa interfaccia Bluetooth-DALI ideale per inserimenti nella pinna A.A.G. Stucchi. Compatibile con sistemi Bluetooth CASAMBI – XICATO – SILVAIR – TUYA – WISILICA – KOOLMESCH, il dispositivo EN1812 genera una segnale DALI compatibile per controllare, da mobile, fino a 64 lampade / 8 gruppi indipendenti. Il controllo delle lampade/singoli gruppi è reso possibile dalle relative applicazioni.

EN1812 DALIGATE

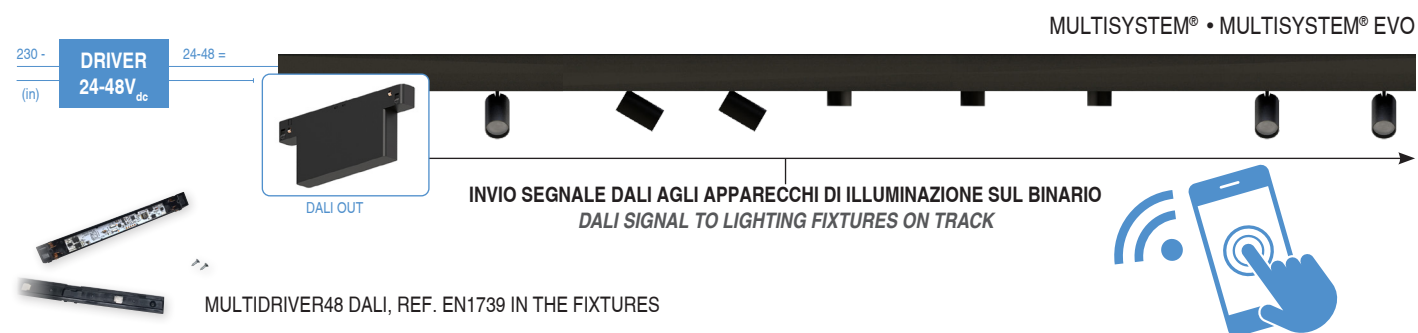
EN1812 is an innovative Bluetooth-DALI interface ideal to be inserted in the A.A.G. Stucchi's fin. Compatible with CASAMBI – XICATO – SILVAIR – TUYA – WISILICA – KOOLMESCH Bluetooth systems, EN1812 device generates a DALI compatible signal to control, from mobile, up to 64 lamps / 8 independent groups. The control of the lamps/groups is done through the related App.

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Dispositivi collegabili in uscita Output connectable devices	64
Potenza assorbita / Power absorbed	4W

* Xicato products support Open Bluetooth Mesh Standards

Codice d'ordine / Order code

Cod. base/Base code	Cavi/Cables	Versione/Version
1200EN1812-CAS-00 CASAMBI	-F con pinna / with fin	-BLDAV48
1200EN1812-WIS-00 WISILICA		
1200EN1812-SIL-00 SILVAIR		
1200EN1812-TUY-00 TUYA		
1200EN1812-XIC-00 XICATO		
1200EN1812-KLM-00 KOOLMESH		



BLUETOOTH-DALI BRIDGES

EN1612 CASAMBI/XICATO-DALI BRIDGE

24Vdc | 48Vdc | $V \rightarrow$ DALI



Alimentazione in tensione / Voltage feeding	$V_{in} = 24-48V_{dc}$
Dispositivi collegabili in uscita / Output connectable devices	64
Potenza assorbita / Power absorbed	10W

* Xicato products support Open Bluetooth Mesh Standards

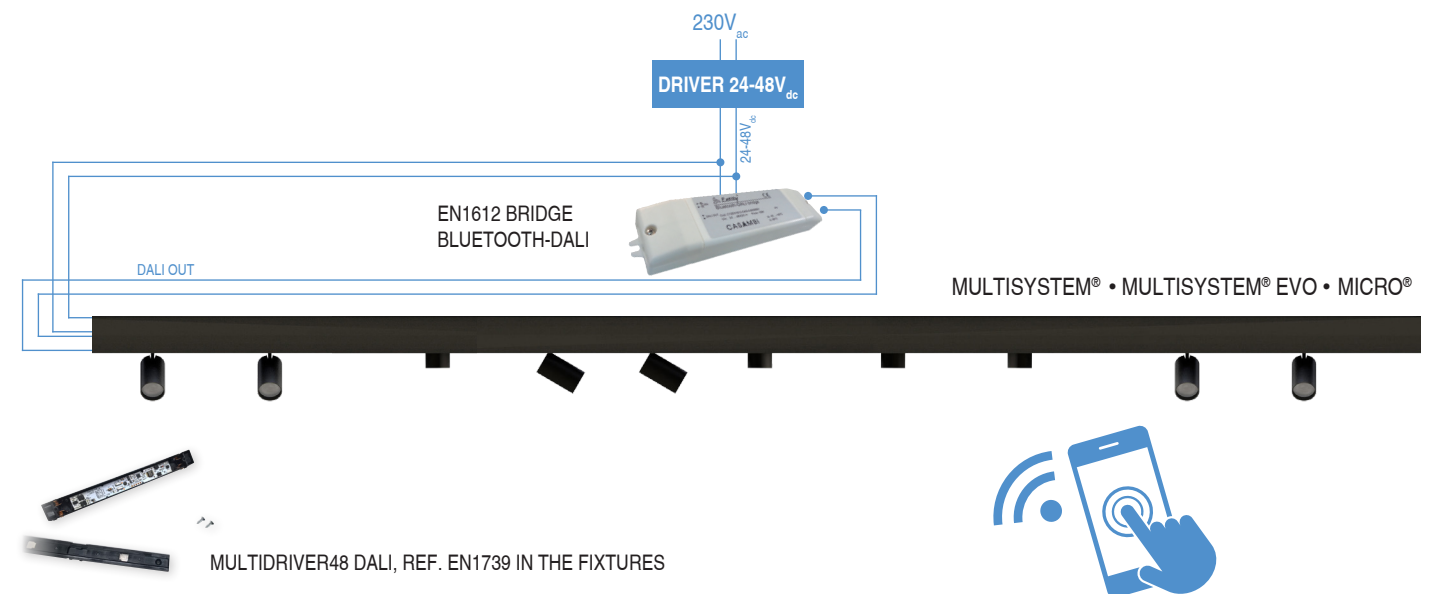
Codice d'ordine / Order code

1200EN1612-CAS-0-0000001 CASAMBI
1200EN1612-XIC-0-0000001 XICATO

CASAMBI Xicato

EN1612 è un'innovativa interfaccia compatibile con sistemi bluetooth CASAMBI e XICATO. EN1612 sfrutta un protocollo DALI compatibile per controllare, da mobile, fino a 4 gruppi indipendenti. Il controllo dei singoli gruppi è reso possibile dalle applicazioni CASAMBI e XICATO. Ideale anche per il controllo del binario a bassa tensione MULTISYSTEM di A.A.G. Stucchi in abbinamento con Multidriver48, il nuovo driver di corrente 24-48V DALI di Entity (rif. art. EN1739).

EN1612 is an innovative interface compatible with CASAMBI and XICATO bluetooth systems. EN1612 uses a DALI compatible protocol to control, from mobile, up to 4 independent groups. The control of the groups is done through the CASAMBI and XICATO App. EN1612 is also ideal for the low voltage track MULTISYSTEM A.A.G. Stucchi combined with Multidriver48, the new Entity's DALI current driver 24-48V (art. ref. EN1739)



NEW

EN1848 PUSHDALI

24Vdc | 48Vdc | 1 DALI OUTPUT | $V \rightarrow$ DALI



104,5 x 43,7mm | 22,2mm

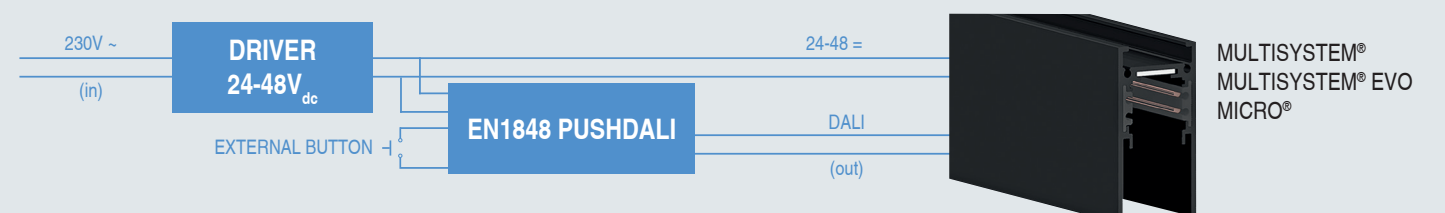
EN1848 PushDali, completo di ingresso per pulsante esterno ed uscita DALI compatibile. Il controller, installato dopo il pulsante, genera un segnale DALI compatibile e consente la gestione (on/off/dimmezazione) in broadcast dei dispositivi DALI collegati in uscita. Ideale in abbinamento a binari bassa tensione A.A.G. Stucchi.

EN1848 PushDali, complete of input for an additional external push button and DALI compatible output. The controller, installed after the push button, generates a DALI signal and allows the control (on/off/dimming) in broadcast of the DALI devices connected to the output. Ideal also in combination with the A.A.G. Stucchi's low voltage tracks.

Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Dispositivi collegabili in uscita Output connectable devices	28
Potenza assorbita / Power absorbed	4W

Codice d'ordine / Order code

1200EN1848-000-F-DALIV48



DALI, 0-10V AND 1-10V OPTO-ISOLATOR

In associazione ai binari bassa tensione DALI, 0-10V e 1-10V è obbligatoria l'integrazione di ripetitori per optoisolare il segnale DALI, 0-10V e 1-10V in ingresso e garantire installazioni sicure ed a norma di legge (SELV).

In combination with DALI, 0-10V and 1-10V low voltage tracks, it is mandatory the integration of repeaters to opto-isolate the DALI, 0-10V and 1-10V input signal and guarantee safe and by law installations (SELV).

EN1576 DALI OPTO-ISOLATOR

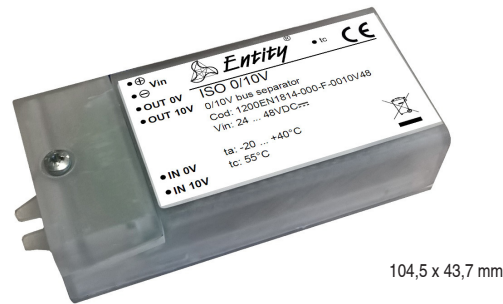
24Vdc | 48Vdc



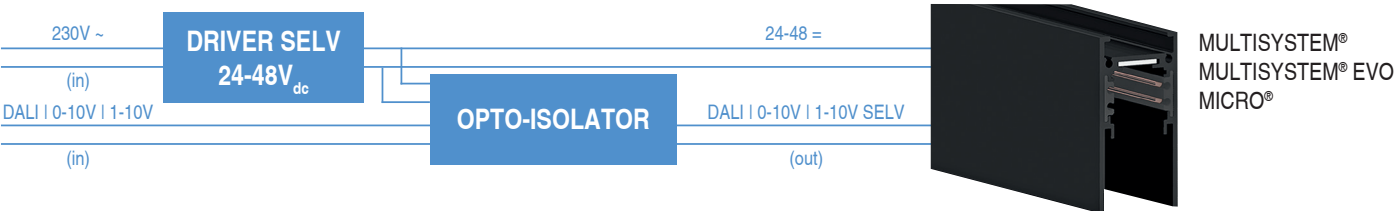
RIPETITORE OPTOISOLATO DALI COMPATIBILE	OPTO-ISOLATED REPEATER, DALI COMPATIBLE
Ripetitore per optoisolare il segnale DALI in ingresso.	Repeater to opto-isolate the DALI input signal protocol.
Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Potenza assorbita / Power absorbed	10W
Codice d'ordine / Order code	
Cod. base/Base code	
1200EN1576-1RP-0-DALIV48	

NEW
EN1814 0-10V AND 1-10V OPTO-ISOLATOR

24Vdc | 48Vdc



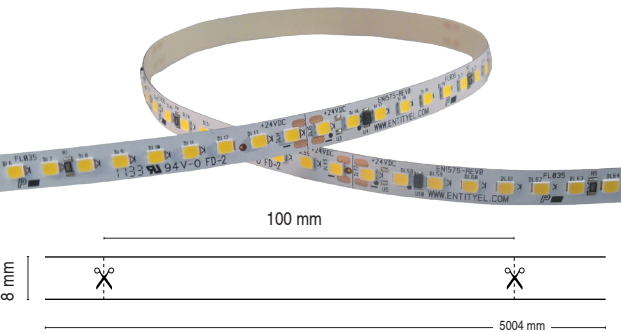
RIPETITORE OPTOISOLATO 0-10V AND 1-10V	OPTO-ISOLATED REPEATER 0-10V AND 1-10V
Ripetitore per optoisolare segnali 0-10V e 1-10V in ingresso.	Repeater to opto-isolate 0-10V and 1-10V input signal protocol.
Alimentazione / Feeding	$V_{in} = 24-48V_{dc}$
Potenza assorbita / Power absorbed	2W
Codice d'ordine / Order code	
Cod. base/Base code	
1200EN1814-000-F-0010V48	



HI-STRIP 48V

EN1575 HI-STRIP 140 LED/mt

48Vdc | INDOOR | CRI>95 available | 3STEP Mc ADAM



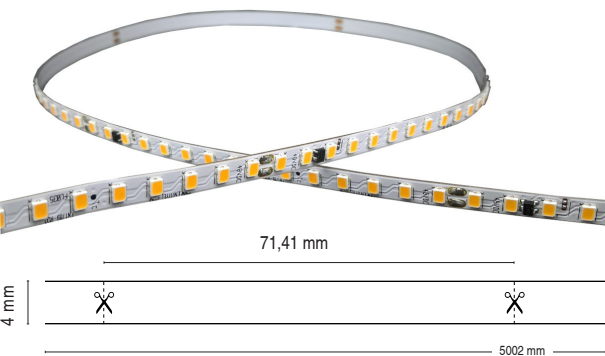
Flexible strip 140 LED/mt, 48Vdc, Lumileds®, 2200K – 6500K, 3 StepMcAdam, CRI>80 CRI>90 CRI>95, 8mm h, supplied in 5mt reel, divisible every 100mm.

Available in two standard versions – customized lumen output and Wattage possible:

1. **I-LED @ 30mA**, 14,4 W/mt, ~ 2.000 lm/mt
Art. code 1200EN1575-XXX-H-28ELV48
2. **I-LED @ 60mA**, 28,8 W/mt, ~ 4.000 lm/mt
Art. code 1200EN1575-XXX-G-28ELV48

EN1789 HI-STRIP 210 LED/mt

48Vdc | INDOOR | CRI>95 available | 3STEP Mc ADAM



Flexible strip 210 LED/mt, 48Vdc, CREE™, 2700K – 6500K, 3 StepMcAdam, CRI>80 CRI>90 CRI>95, 4mm h, supplied in 5mt reel, divisible every 71,41mm.

Available in one standard version – customized lumen output and Wattage possible:

1. **I-LED @ 20mA**, 14,7 W/mt, ~ 1.400 lm/mt
Art. code 1200EN1789-XXX-H-2016V48

EN1736 HI-STRIP 186 LED/mt TUNABLE WHITE

48Vdc | INDOOR | CRI>95 available | 3STEP Mc ADAM



Flexible strip 186 LED/mt (93+93), 48Vdc, Lumileds®, 2200K – 6500K, 3 StepMcAdam, CRI>80 CRI>90 CRI>95, 8mm h, supplied in 5mt reel, divisible every 150,40mm.

Available in two standard versions – customized lumen output and Wattage possible:

1. **I-LED @ 30mA**, 9,5+9,5 W/mt, ~ 1.000 lm/mt (50%+50%)
Art. code 1200EN1736-XXX-H-L314V48
2. **I-LED @ 60mA**, 19+19 W/mt, ~ 2.000 lm/mt (50%+50%)
Art. code 1200EN1736-XXX-G- L314V48

STICK

NEW
EN1792
350mA | 500mA | 700mA | CRI>90 available



559 x 23,6 mm

Several lenses available (Zhaga 7)



KHATOD®
Optical Solutions for LED Lighting

Modulo con 48/96 LED compatibile con le principali lenti lineari Zhaga book 7, come ad esempio Khatod “Superlinea” in PMMA, resistenti alle temperature -40° ~ 80° con versioni IP65. Per maggiori informazioni: www.khatod.com
Disponibile in tre versioni:

1. CRI>80 con efficienza >200lm/W (48 LED)
2. CRI>95 (48 LED)
3. CRI>80 bianco dinamico (48+48 LEDs)

Module with 48/96 LEDs compatible with the main linear lenses Zhaga book 7 in the market; for example, Khatod “Superlinea” in PMMA, -40° ~ 80° temperature resistant with IP65 versions. For more information: www.khatod.com
Available in three versions:

1. CRI>80, >200lm/W efficiency (48 LED)
2. CRI>95 (48 LED)
3. CRI>80 Tunable White (48+48 LEDs)

Versione CRI>80 con efficienza >200lm/W (48 LED)
Version CRI>80, >200lm/W efficiency (48 LED)

Alimentazione in corrente / Current Feeding

I_{in} = 350mAdc: P = 11,3W
I_{in} = 500mAdc: P = 16,7W
I_{in} = 700mAdc: P = 24,3W

Tipi di LED / Type of LED OSRAM® DURIS E2835

Dissipazione richiesta / Heat sink required Si / Yes

Codice d'ordine / Order code
1200EN1792-830-0-28OSC50

* altre temperature colore disponibili su richiesta / other color temperatures available on demand

Versione CRI>95 (48 LED)
Version CRI>95 (48 LED)

Alimentazione in corrente / Current Feeding

I_{in} = 350mAdc: P = 12W
I_{in} = 500mAdc: P = 17,6W
I_{in} = 700mAdc: P = 25,8W

Tipi di LED / Type of LED CREE™ JE2835 P CLASS

Tempo di vita stimato con Tc<70%
Estimated life with TC<70% >50.000 ore / hours

Dissipazione richiesta / Heat sink required Si / Yes

Codice d'ordine / Order code
1200EN1792-830-0-28JEC50

* altre temperature colore disponibili su richiesta / other color temperatures available on demand

Versione Tunable White (48+48 LED)
Version Tunable White (48+48 LED)

Alimentazione in corrente
Current Feeding

I_{in} = 350mAdc: P = 11,8W + 11,8W
I_{in} = 500mAdc: P = 17,3W + 17,3W
I_{in} = 700mAdc: P = 25W + 25W

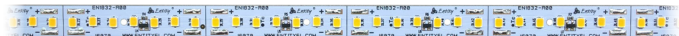
Tipi di LED / Type of LED OSRAM® DURIS E2835

Dissipazione richiesta / Heat sink required Si / Yes

Codice d'ordine / Order code
1200EN1792-5CW-0-28OSC50

* altre temperature colore disponibili su richiesta / other color temperatures available on demand

NEW
EN1832
24Vdc | CRI>95 available



500 x 12 mm

Stick in FR4 con 70 LED	FR4 Stick with 70 LEDs
Alimentazione in tensione / Voltage Feeding	8,5W I-LED @ 35mA 12W I-LED @ 50mA
Alimentatore consigliato / Recommended power supply	1300ENPS-16-V24
Tipi di LED / Type of LED	CREE™ 2835
Dissipazione richiesta / Heat sink required	Si / Yes
Frazionabile / Divisible	ogni 50 mm / every 50 mm

Codice d'ordine / Order code	
1200EN1832-930-Z-28JEV24	CRI>90 @ 35mA
1200EN1832-930-J-28JEV24	CRI>90 @ 50mA

* altre temperature colore disponibili su richiesta / other color temperatures available on demand

QUAD

NEW
EN1801
350mA | 500mA | CRI>90 available



276 x 55 mm

KHATOD®
Optical Solutions for LED Lighting



Modulo con 33 LED compatibile con lenti Khatod serie “Stock&Shop 11x3”, soluzione ottica per sistemi di illuminazione utilizzati in ambienti con soffitti alti e strutture industriali. Soddisfano perfettamente i requisiti per le applicazioni che richiedono un’alta efficienza sia in termini energetici che d’illuminazione. Per maggiori informazioni: www.khatod.com

Module with 33 LEDs compatible with Khatod lenses “Stock&Shop 11x3”, optical solution for lighting systems used in rooms with high ceilings and industrial framing. Perfectly meet the requirements for applications that need high-efficiency lighting while being energy efficient. For more information: www.khatod.com

Alimentazione in corrente
Current feeding

I_{in} = 350mAdc: P = 11,2W
I_{in} = 500mAdc: P = 16,5W

Tipi di LED / Type of LED CREE™ 3030

Tempo di vita stimato con Tc<70%
Estimated life with TC<70% >50.000 ore / hours

Dissipazione richiesta
Heat sink required Si / Yes

Codice d'ordine / Order code	
1200EN1801-930-0-CR33000	CREE 3030JK 3000K CRI>90
1200EN1801-830-0-CR33C70	CREE 3030JB 3000K CRI>80

* altre temperature colore disponibili su richiesta / other color temperatures available on demand



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